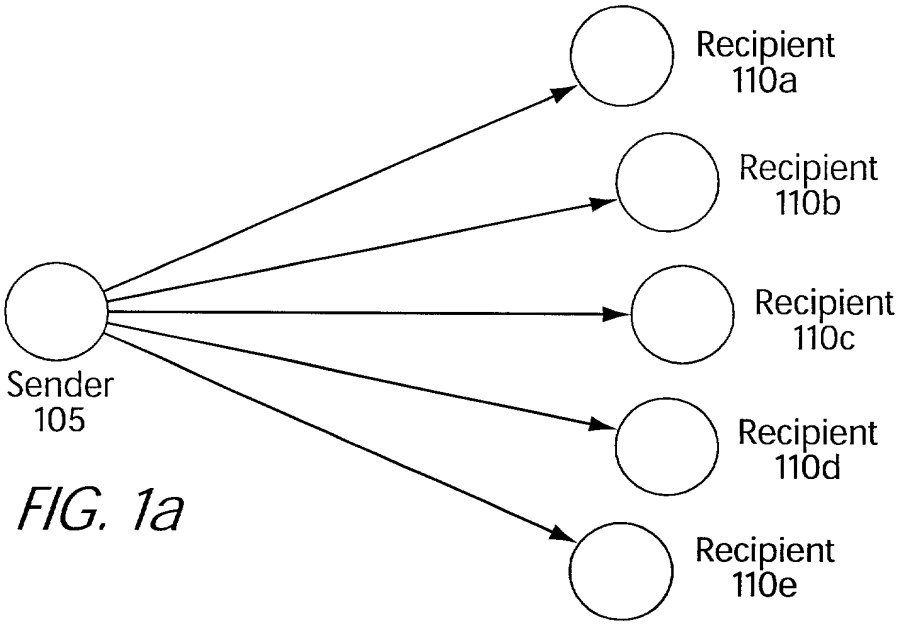
Recipient
110a
Recipient
110b
Recipient
110c
Recipient
110d
Recipient
110e
Sender
105

FIG. 1a

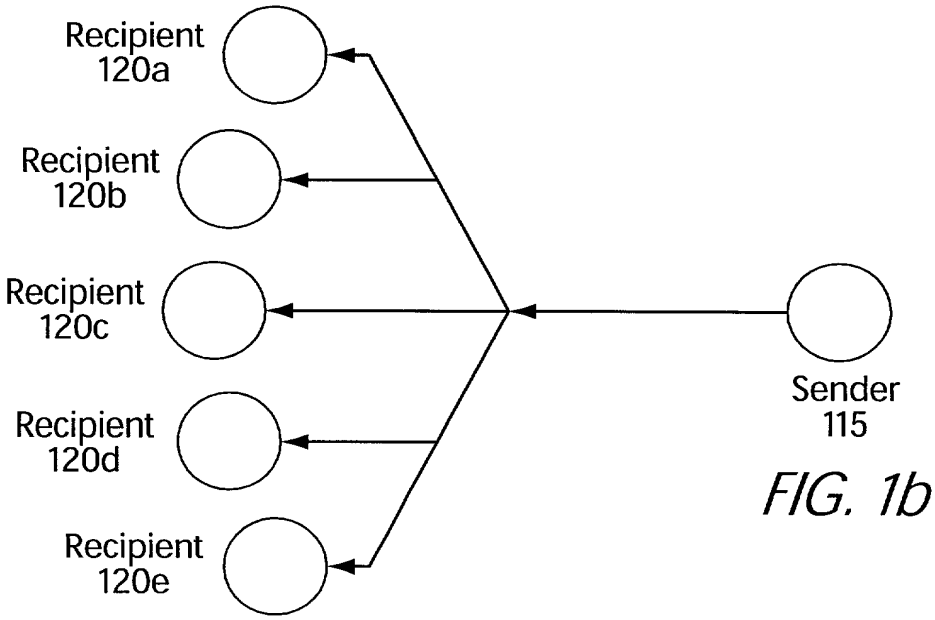
Recipient
120a
Recipient
120b
Recipient
120c
Recipient
120d
Recipient
120e
Sender
115

FIG. 1b

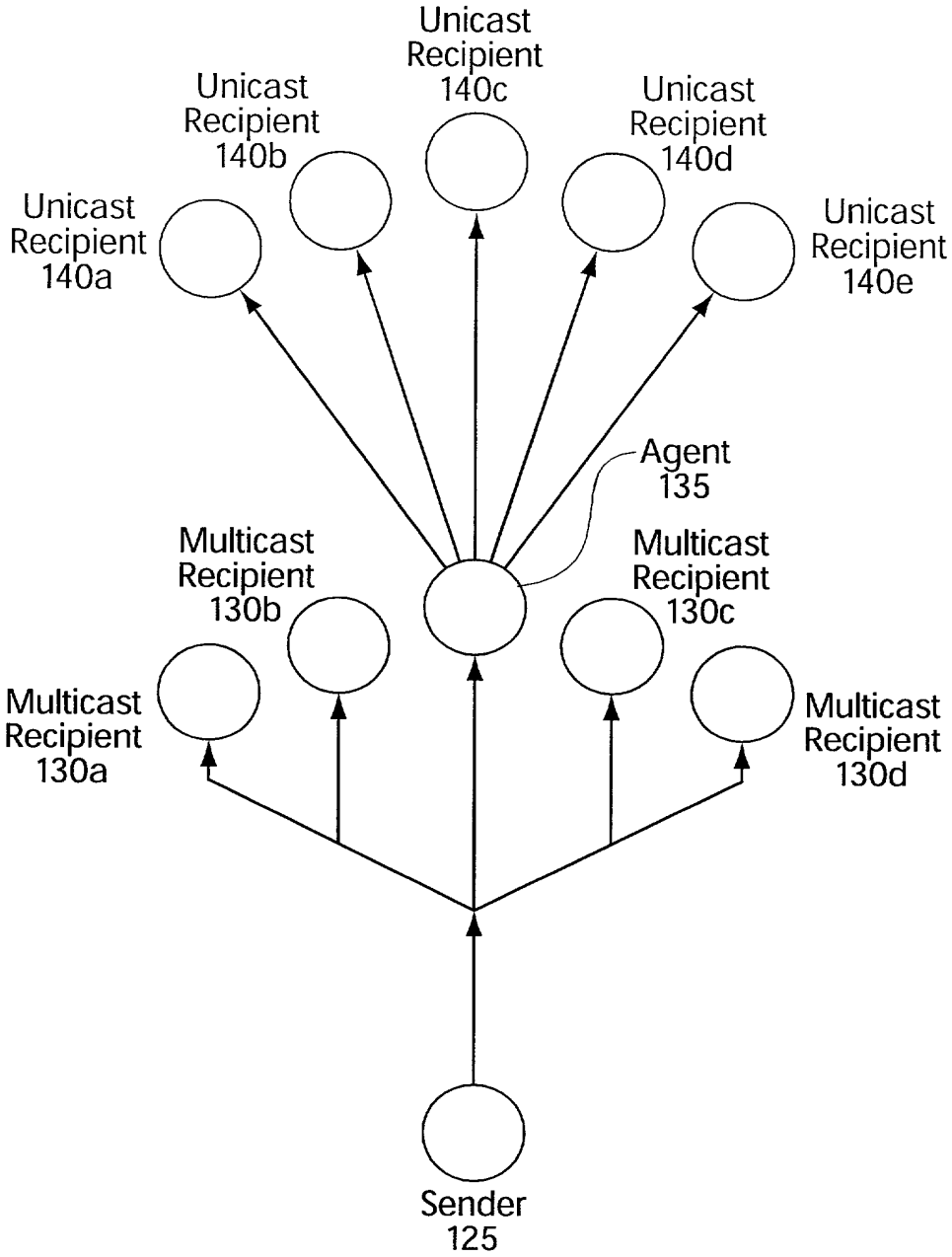
Unicast Recipient 140c
Unicast Recipient 140b
Unicast Recipient 140d
Unicast Recipient 140a
Unicast Recipient 140e
Agent 135
Multicast Recipient 130b
Multicast Recipient 130c
Multicast Recipient 130a
Multicast Recipient 130d
Sender 125

FIG. 1c

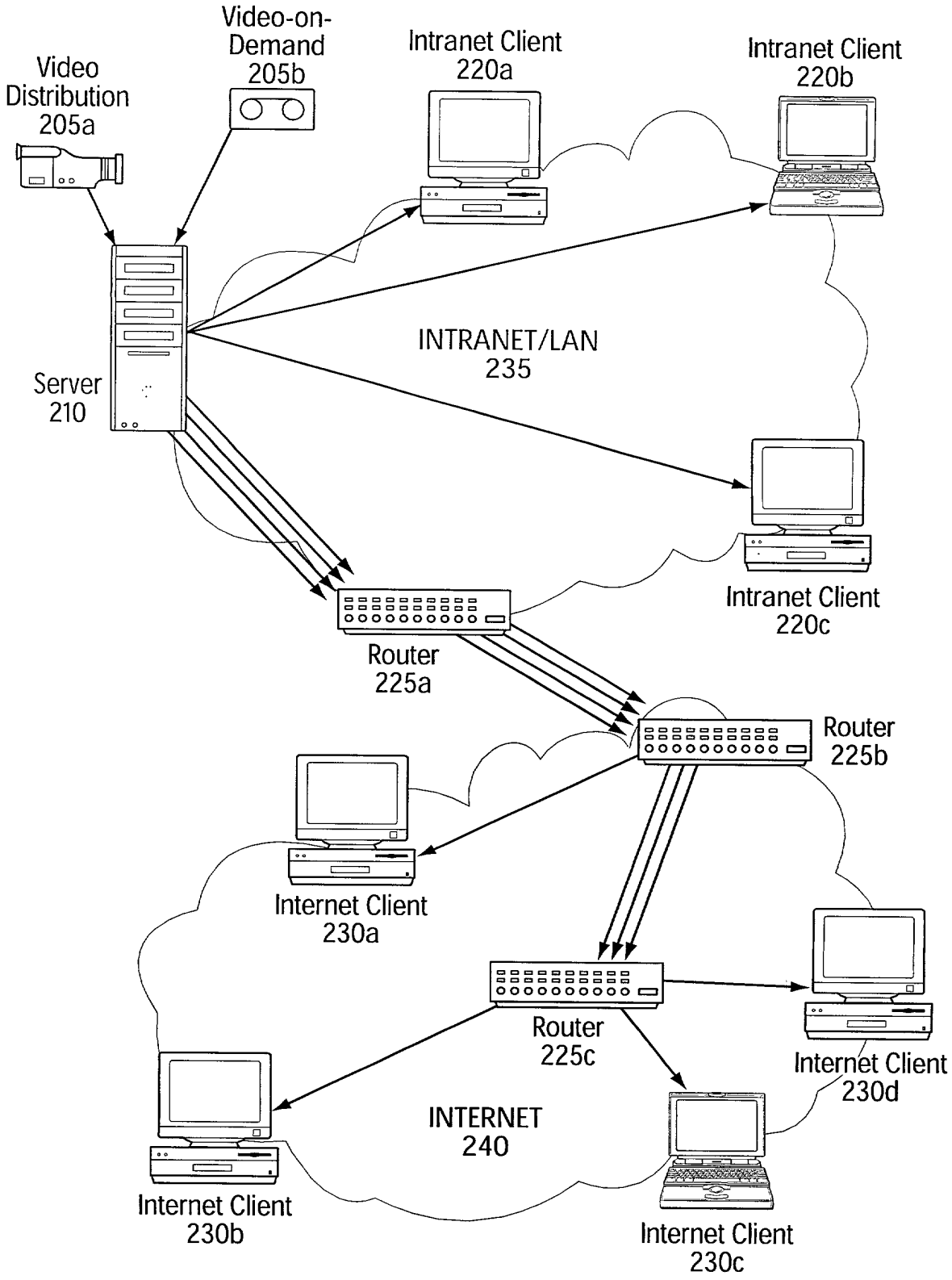
Video-on-
Demand
205b
Video
Distribution
205a
Intranet Client
220a
Intranet Client
220b
INTRANET/LAN
235
Server
210
Intranet Client
220c
Router
225a
Router
225b
Internet Client
230a
Router
225c
Internet Client
230d
INTERNET
240
Internet Client
230b
Internet Client
230c

FIG. 2

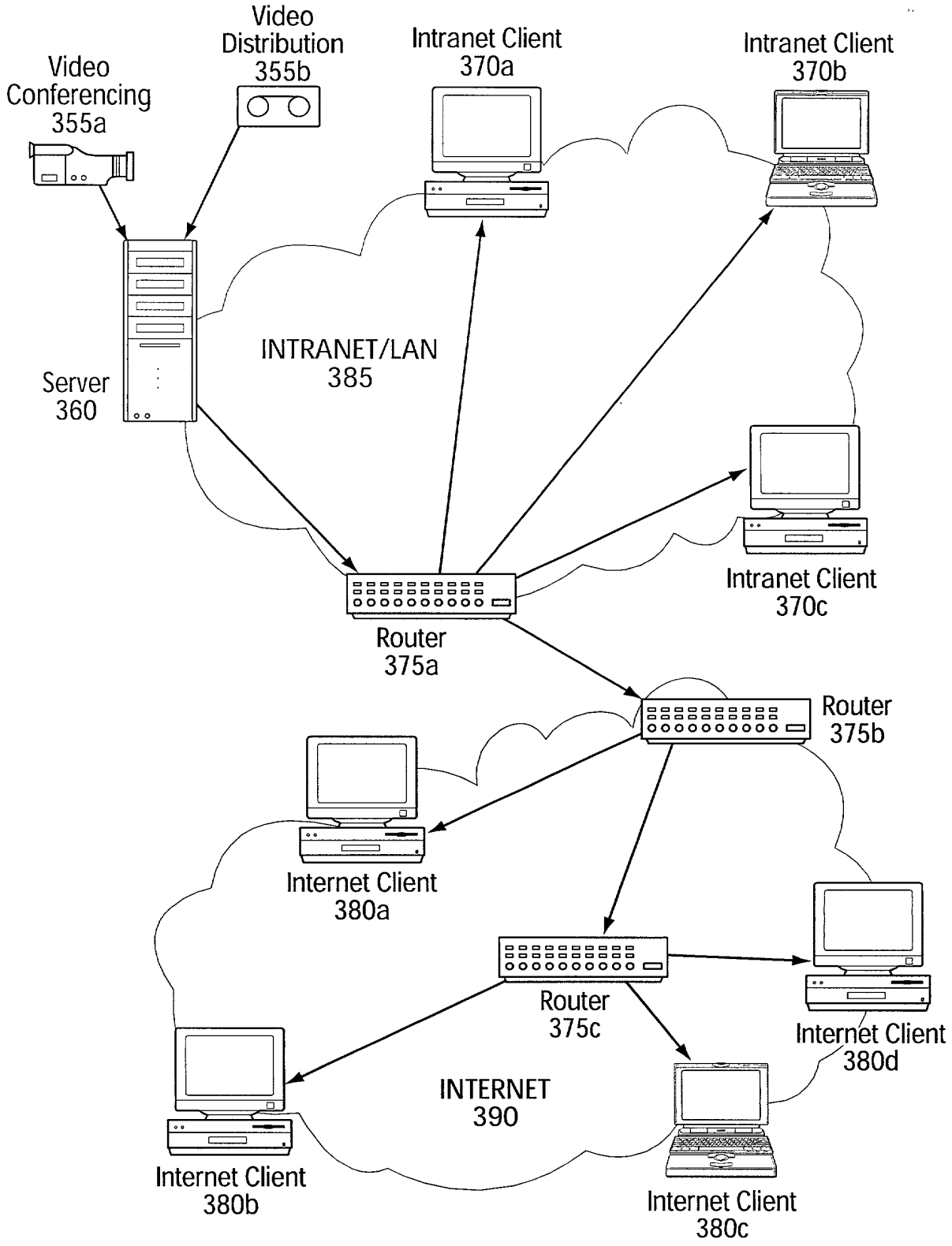
Video
Conferencing
355a
Video
Distribution
355b
Intranet Client
370a
Intranet Client
370b
Server
360
INTRANET/LAN
385
Intranet Client
370c
Router
375a
Router
375b
Internet Client
380a
Router
375c
Internet Client
380d
INTERNET
390
Internet Client
380b
Internet Client
380c

FIG. 3

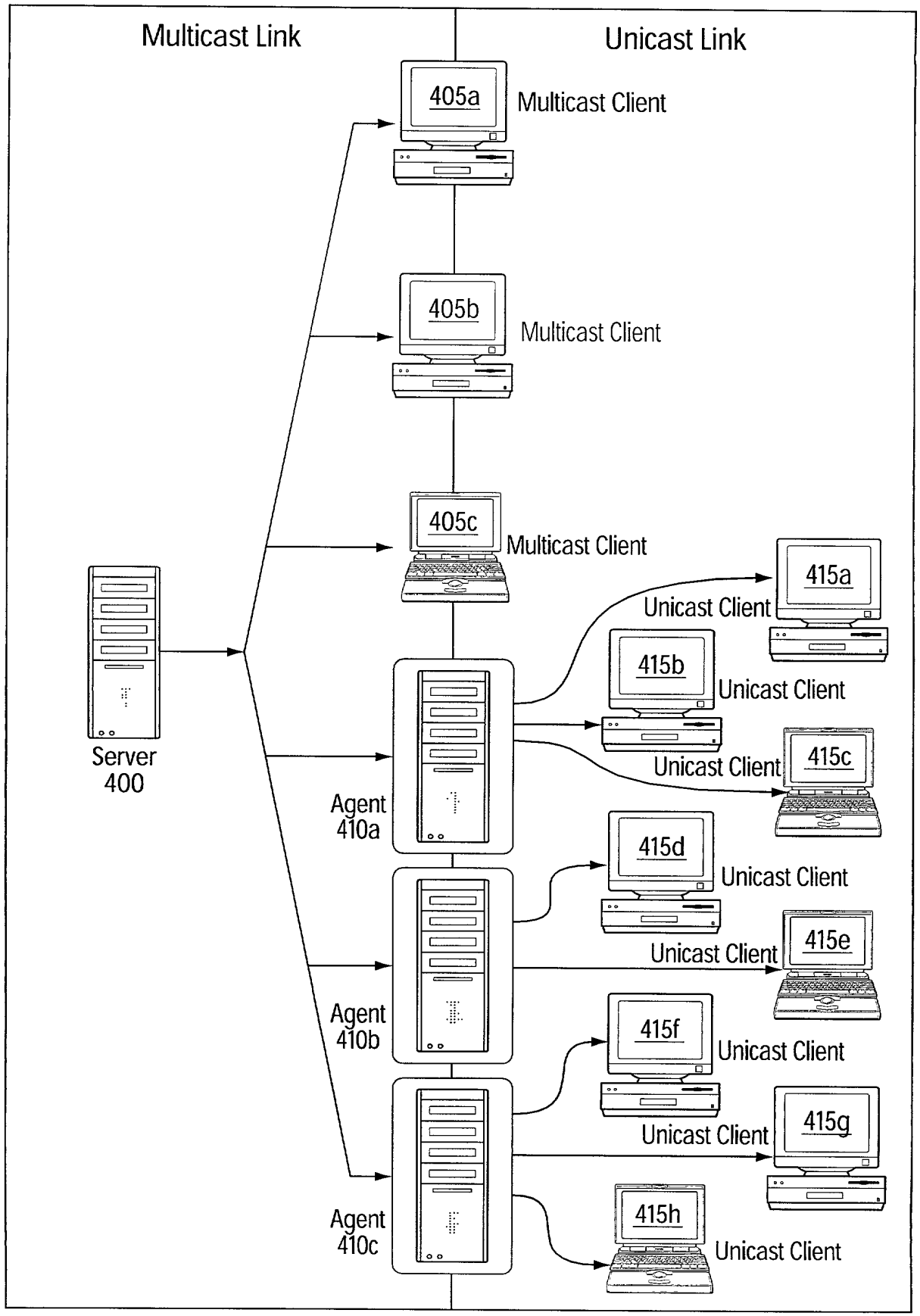
Multicast Link
Unicast Link
405a
Multicast Client
405b
Multicast Client
405c
Multicast Client
Server
400
Agent
410a
Agent
410b
Agent
410c
415a
Unicast Client
415b
Unicast Client
415c
Unicast Client
415d
Unicast Client
415e
Unicast Client
415f
Unicast Client
415g
Unicast Client
415h
Unicast Client

FIG. 4

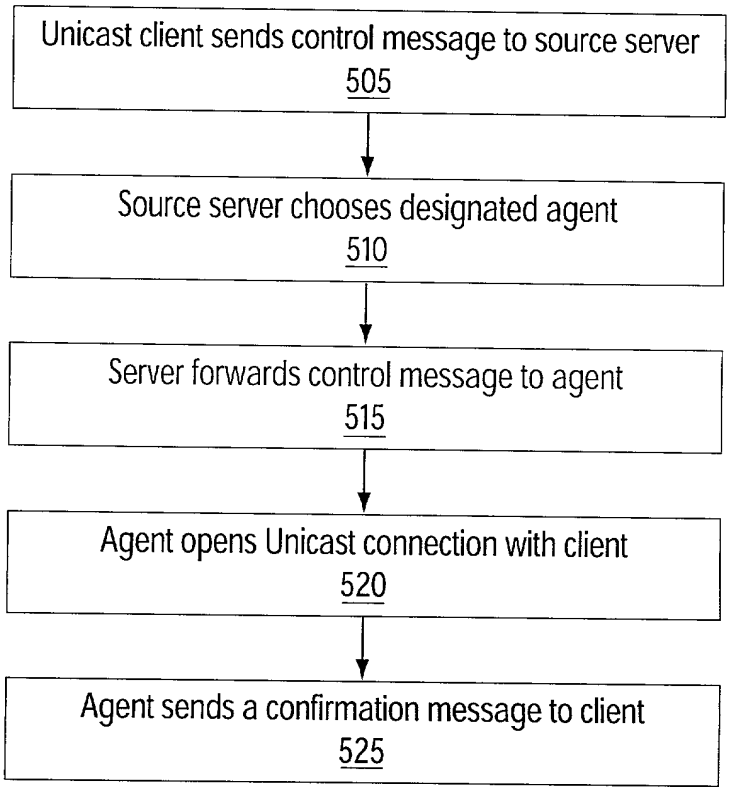
Unicast client sends control message to source server
505
Source server chooses designated agent
510
Server forwards control message to agent
515
Agent opens Unicast connection with client
520
Agent sends a confirmation message to client
525

FIG. 5a

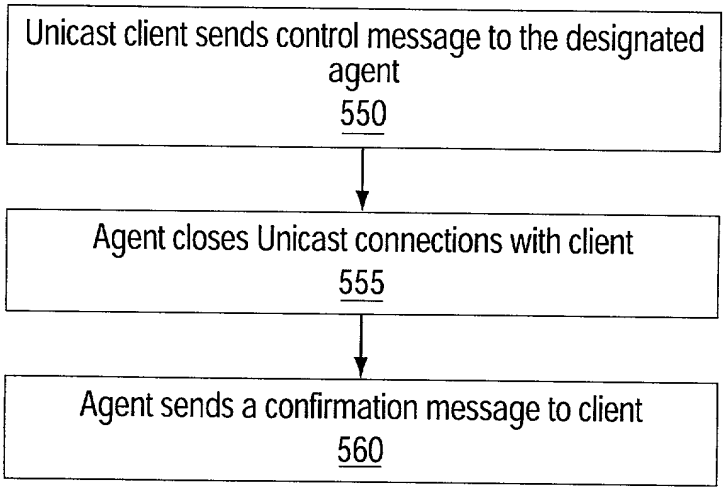
Unicast client sends control message to the designated agent
550
Agent closes Unicast connections with client
555
Agent sends a confirmation message to client
560

FIG. 5b